

**AMENDMENTS TO THE CLAIMS**

1. **(Previously presented)** An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

- (a) a polynucleotide encoding amino acids from 1 to 273 of SEQ ID NO:2;
- (b) a polynucleotide encoding amino acids from 2 to 273 of SEQ ID NO:2;
- (c) a polynucleotide encoding amino acids from 26 to 273 of SEQ ID NO:2; and
- (d) the polynucleotide complement of the complete polynucleotide of (a), (b), or (c).

Claims 2-4 **(Cancelled)**

5. **(Previously presented)** An isolated nucleic acid molecule comprising a polynucleotide encoding a polypeptide wherein, except for no more than 5 conservative amino acid substitutions, said polypeptide has an amino acid sequence selected from the group consisting of:

- (a) amino acids 1 to 273 of SEQ ID NO:2;
- (b) amino acids 2 to 273 of SEQ ID NO:2; and
- (c) amino acids 26 to 273 of SEQ ID NO:2

6. **(Original)** The isolated nucleic acid molecule of claim 1, which is DNA.

7. **(Previously presented)** A method of making a recombinant vector comprising inserting a nucleic acid molecule of claim 1(a), (b), or (c), into a vector in operable linkage to a promoter.

8. **(Original)** A recombinant vector produced by the method of claim 7.

9. (Original) A method of making a recombinant host cell comprising introducing the recombinant vector of claim 8 into a host cell.

10. (Original) A recombinant host cell produced by the method of claim 9.

11. (Original) A recombinant method of producing a polypeptide, comprising culturing the recombinant host cell of claim 10 under conditions such that said polypeptide is expressed and recovering said polypeptide.

Claims 12-35 (Cancelled)

36. (Previously presented) An isolated nucleic acid molecule comprising a polynucleotide at least 95% identical to a polynucleotide selected from the group consisting of:

- (a) a polynucleotide encoding amino acids from 1 to 273 of SEQ ID NO:2;
- (b) a polynucleotide encoding amino acids from 2 to 273 of SEQ ID NO:2;
- (c) a polynucleotide encoding amino acids from 26 to 273 of SEQ ID NO:2; and
- (d) the full polynucleotide complement of the complete polynucleotide of (a), (b), or (c).

37. (Previously presented) The isolated nucleic acid molecule of claim 36 wherein the polynucleotide is at least 98% identical to the polynucleotide of (a) - (d).

38. (Previously presented) A method of making a recombinant vector comprising inserting a nucleic acid molecule of claim 36 into a vector in operable linkage to a promoter.

39. (Currently amended) An isolated nucleic acid molecule comprising a polynucleotide encoding a polypeptide at least 95% identical to SEQ ID NO:2, or the full complement of the complete polynucleotide [ , ] .

Claim 40. (Cancelled)

41. **(Previously presented)** The isolated nucleic acid molecule of claim 39 wherein the polynucleotide encodes a polypeptide at least 98% identical to SEQ ID NO:2.

42. **(Previously presented)** The isolated nucleic acid molecule of any one of claims 5, 36 or 39 wherein the polynucleotide is at least 95% identical to SEQ ID NO:1.

43. **(Previously presented)** The isolated nucleic acid molecule of any one of claims 5, 36 or 39 wherein the polynucleotide is at least 98% identical to SEQ ID NO:1.

44. **(Previously presented)** The isolated nucleic acid molecule of claim 5 wherein the polynucleotide encodes a polypeptide wherein, except for no more than 3 conservative amino acid substitutions, said polypeptide has an amino acid sequence selected from the group consisting of:

- (a) amino acids 1 to 273 of SEQ ID NO:2;
- (b) amino acids 2 to 273 of SEQ ID NO:2; and
- (c) amino acids 26 to 273 of SEQ ID NO:2.

45. **(Previously presented)** The isolated nucleic acid molecule of any one of claims 5, 36 or 39 wherein the nucleic acid molecule encodes a polypeptide comprising SEQ ID NO:10.

46. **(Previously presented)** The isolated nucleic acid molecule of any one of claims 5, 36 or 39 wherein the nucleic acid molecule encodes a polypeptide comprising SEQ ID NO:3.

Claims 47-48 **(Cancelled)**

49. (Previously presented) The isolated nucleic acid molecule of claim 5 comprising a polynucleotide encoding a polypeptide having no more than 5 conservative amino acid substitutions, wherein the conservative substitutions are selected from the group consisting of:

- (a) leucine to isoleucine;
- (b) leucine to valine;
- (c) aspartate to glutamate; and
- (d) threonine to serine.